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Amendments to Claims

1-12. (Canceled)

13. (Currently amended) A process comprising ~~contacting (1) a perfluoropolyether acid fluoride with a metal bromide or metal iodide or (2) heating a perfluoropolyether~~ secondary halide, ~~each under a condition sufficient~~ at a temperature at or above 220°C to effect the production of a perfluoropolyether comprising at least one bromine or iodine in the primary position of one or more end groups of the perfluoropolyether.

14. (Original) A process according to claim 13 wherein said process is carried out under a condition or in a medium that is substantially free of a solvent or iodine or both.

15. (Canceled)

16. (Canceled)

17. (Canceled)

18. (Canceled)

19. (Currently amended) A process comprising contacting a perfluoropolyether acid fluoride wherein said metal bromide or metal iodide is selected from the group consisting of lithium, calcium, barium, aluminum, boron, and combinations of two or more thereof mixed metal bromides, mixed metal iodides, or combinations thereof with a metal bromide or metal iodide at a temperature at or above 220°C, under a condition sufficient to effect the production of a perfluoropolyether, which comprises at least one bromine or iodine at the primary position of one or more end groups.

20. (Original) A process according to claim 19 wherein said perfluoropolyether acid fluoride comprises an acid fluoride moiety having the formula of COF at a secondary position of the perfluoropolyether acid fluoride.

21. (Original) A process according to claim 19 wherein said perfluoropolyether acid fluoride comprises a  $\text{CF}_2\text{OCF}(\text{CF}_3)\text{COF}$  moiety.

22. (Original) A process according to claim 19 wherein said perfluoropolyether acid fluoride is a monoacid fluoride or diacid fluoride.

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23. (Original) A process according to claim 19 wherein said process comprises contacting said perfluoropolyether with mixed metal bromides, mixed iodides or combinations thereof.

24. (Original) A process according to claim 23 wherein said process is carried out substantially free of a solvent.

25. (Canceled)

26. (Original) A process according to claim 19 wherein said perfluoropolyether comprises repeat units derived from  $-\text{CF}(\text{CF}_3)\text{CF}_2\text{O}-$ .

27. (Original) A process according to claim 19 wherein the perfluoropolyether of said perfluoropolyether acid fluoride comprises repeat units derived from the group consisting of

$-\text{CF}_2\text{O}-$ ,  $-\text{CF}_2\text{CF}_2\text{O}-$ ,  $-\text{CF}_2\text{CF}(\text{CF}_3)\text{O}-$ ,  $-\text{CF}(\text{CF}_3)\text{O}-$ ,  $-\text{CF}(\text{CF}_3)\text{CF}_2\text{O}-$ ,  
 $-\text{CF}_2\text{CF}_2\text{CF}_2\text{O}-$ ,  $-\text{CF}(\text{CF}_3)\text{O}-$ ,  $-\text{CF}_2\text{CF}(\text{CF}_3)\text{O}-$ ,  $-\text{CF}_2\text{CF}(\text{CF}_2\text{CF}_3)\text{O}-$ ,  
 $-\text{CF}_2\text{CF}(\text{CF}_2\text{CF}_2\text{CF}_3)\text{O}-$ ,  $-\text{CF}(\text{CF}_2\text{CF}_3)\text{O}-$ ,  $-\text{CF}(\text{CF}_2\text{CF}_2\text{CF}_3)\text{O}-$ ,  
 $-\text{CH}_2\text{CF}_2\text{CF}_2\text{O}-$ ,  $-\text{CF}(\text{Cl})\text{CF}_2\text{CF}_2\text{O}-$ ,  $-\text{CF}(\text{H})\text{CF}_2\text{CF}_2\text{O}-$ ,  $\text{CCl}_2\text{CF}_2\text{CF}_2\text{O}-$ ,  
 $-\text{CH}(\text{Cl})\text{CF}_2\text{CF}_2\text{O}-$ , and combinations of two or more thereof.

28. (Currently amended) A process ~~according to claim 19~~ comprising contacting a perfluoropolyether primary iodide with carbon tetrabromide a temperature at or above about 180°C to produce a primary perfluoropolyether primary bromide.